STIC Database Tracking Number: 140460

TO: **Fred Ehichoya**
Location: **RND 3B31**
Art Unit : **2162**
Wednesday, December 15, 2004

Case Serial Number: **09/925265**

From: **David Holloway**
Location: **EIC 2100**
RND 4B19
Phone: **2-3528**

david.holloway@uspto.gov

Search Notes

Dear Examiner Ehichoya,

Attached please find your search results for above-referenced case.
Please contact me if you have any questions or would like a re-focused search.

David

BEST AVAILABLE COPY

STIC EIC 2100 140460
Search Request Form

Today's Date: 12/15/04

What date would you like to use to limit the search?

Priority Date: 8/9/2001   **Other:**

Name FRED EHICHIOYA

AU 2162   **Examiner #** 79719

Room # RAN 3631   **Phone** 2-4034

Serial # 09/925,265

Format for Search Results (Circle One):

(PAPER)   DISK   EMAIL

Where have you searched so far?

(USP)   DWPI   (EPO)   JPO   (ACM)   (IBM TDB)

IEEE   INSPEC   SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

SMART RECEIPT

- Setting a user preference in a customer profile, wherein the user preference specifies one or more databases out of a plurality of databases, to which an electronic receipt is to be sent from point of sale devices

- Sending the electronic receipt from the point of sale device to the one or more databases specified by the user preference

* Please follow the class 705 Template Review format because the claim limitations include a transaction executed by the user at a point of sale device

STIC Searcher David Holloway   **Phone** 2-3528

Date picked up 12-15-04   **Date Completed** 12-15-04

```
S1     8284709    PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR S-
                  PECIFICAT?
S2      375585    S1(3N)(USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER?
                  OR CONSUMER?)
S3      162662    EPOS OR POINT(N)SALE? OR ECR OR (COMPUTERI? OR DIGITAL OR -
                  AUTOMATED OR ELECTRONIC)()CASH()REGISTER? OR POS
S4     4940147    RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()REC-
                  ORD?
S5    23823397    ROUT? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STORI-
                  NG OR SAVE? OR SAVING OR KEEP? OR KEEPING
S6      439226    (MULTIPL? OR DISTRIBUTED OR NETWORKED OR SEVERAL OR PLURAL?
                  OR DIFFERENT OR VARIOUS OR MANY OR VARIETY)(2N)(DATABASE? OR
                  DATABANK? OR DATA()(BASE? OR BANK?) OR LOCATION? OR FILE? OR -
                  DATAFILE?)
S7          12    S2(S)S3(S)S4(2N)(S5 OR S6)
S8           1    S2(S)S3(S)S4(S)S5(S)S6
S9          12    S7 OR S8
S10          7    RD (unique items)
S11         37    S2(S)S3(S)S4(S)(S5 OR S6)
S12         37    S11 OR S10
S13         28    RD (unique items)
S14         18    S13 NOT PD>20010809
File   15:ABI/Inform(R) 1971-2004/Dec 15
          (c) 2004 ProQuest Info&Learning
File    9:Business & Industry(R) Jul/1994-2004/Dec 14
          (c) 2004   The Gale Group
File  610:Business Wire 1999-2004/Dec 13
          (c) 2004 Business Wire.
File  810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File  275:Gale Group Computer DB(TM) 1983-2004/Dec 15
          (c) 2004 The Gale Group
File  476:Financial Times Fulltext 1982-2004/Dec 15
          (c) 2004 Financial Times Ltd
File  624:McGraw-Hill Publications 1985-2004/Dec 15
          (c) 2004 McGraw-Hill Co. Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 15
          (c) 2004 The Gale Group
File  636:Gale Group Newsletter DB(TM) 1987-2004/Dec 15
          (c) 2004 The Gale Group
File  613:PR Newswire 1999-2004/Dec 13
          (c) 2004 PR Newswire Association Inc
File  813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File   16:Gale Group PROMT(R) 1990-2004/Dec 15
          (c) 2004 The Gale Group
File  160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File  634:San Jose Mercury  Jun 1985-2004/Dec 14
          (c) 2004 San Jose Mercury News
File  148:Gale Group Trade & Industry DB 1976-2004/Dec 15
          (c)2004 The Gale Group
File   20:Dialog Global Reporter 1997-2004/Dec 15
          (c) 2004 The Dialog Corp.
File  635:Business Dateline(R) 1985-2004/Dec 15
          (c) 2004 ProQuest Info&Learning
File  570:Gale Group MARS(R) 1984-2004/Dec 15
          (c) 2004 The Gale Grou
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Set      Items    Description
S1     3024722    PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR S-
                  PECIFICAT?
S2       22736    S1(3N)(USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER?
                  OR CONSUMER?)
S3       20057    EPOS OR POINT(N)SALE? OR ECR OR (COMPUTERI? OR DIGITAL OR -
                  AUTOMATED OR ELECTRONIC)()CASH()REGISTER? OR POS
S4       95200    RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()REC-
                  ORD?
S5     2396547    ROUTE? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STOR-
                  ING OR SAVE? OR SAVING? OR KEEP? OR KEEPING?
S6       69676    (MULTIPL? OR DISTRIBUTED OR SEVERAL OR DIFFERENT OR VARIOUS
                  OR MANY OR VARIETY OR PLURALITY OR PLURAL)(3N)(DATABASE? OR -
                  DATABANK? OR DATA()(BASE? OR BANK?) OR FILE? OR LOCATION?)
S7           3    S2 AND S3 AND S4
S8          31    S2 AND S4 AND S5
S9           0    S3 AND S4 AND S5 AND S6
S10          1    S8 AND S6
S11          2    S1 AND S4 AND S6 AND S5
S12          5    S7 OR S9 OR S10 OR S11
S13         34    S2 AND S3
S14         74    S3 AND S4 AND S5
S15          5    S4(3N)S5 AND S6
S16         12    S3 AND S4(3N)S5
S17         81    S7 OR S8 OR S10 OR S11 OR S12 OR S13 OR S15 OR S16
S18         78    RD (unique items)
S19         69    S18 NOT PY>2001
S20         68    S19 NOT PD>20010809
File    35:Dissertation Abs Online 1861-2004/Nov
           (c) 2004 ProQuest Info&Learning
File   583:Gale Group Globalbase(TM) 1986-2002/Dec 13
           (c) 2002 The Gale Group
File    65:Inside Conferences 1993-2004/Dec W2
           (c) 2004 BLDSC all rts. reserv.
File     2:INSPEC 1969-2004/Dec W1
           (c) 2004 Institution of Electrical Engineers
File   233:Internet & Personal Comp. Abs. 1981-2003/Sep
           (c) 2003 EBSCO Pub.
File   479:Gale Group Company Intelligence(R) 2004/Dec 14
           (c) 2004 The Gale Group
File   475:Wall Street Journal Abs 1973-2004/Dec 14
           (c) 2004 The New York Times
File    99:Wilson Appl. Sci & Tech Abs 1983-2004/Nov
           (c) 2004 The HW Wilson Co.
File     8:Ei Compendex(R) 1970-2004/Dec W1
           (c) 2004 Elsevier Eng. Info. Inc.
File    94:JICST-EPlus 1985-2004/Nov W1
           (c)2004 Japan Science and Tech Corp(JS
```

01881994 ORDER NO: AADAA-IC807373
Data quality and data alignment in e-business

     ...Data Interchange (EDI) initiative and data quality.
     When computer systems are interconnected, they exchange orders,
delivery notifications, **invoices** , and many more messages, which we refer
to as <italic> transaction communication</italic>. The messages...

...improve the quality of the context.
     Basically, two problems arise when data is aligned in **multiple**
database situations: the translation problem, and the distribution
problem. The <italic> translation</italic> problem arises because the same
fact may be differently structured at **different** **locations** in the
network. Therefore, database schema translation is necessary to map the
structure of the...

...data may get delayed, damaged, or delivered to the wrong recipient,
resulting in inconsistencies among **different** **locations** .
     Studying the data integration and data distribution literature, we
constructed a new method to align...

DIALOG(R)File 583:Gale Group Globalbase(TM)

09285179
Trinis go for plastic
  TRINIDAD & TOBAGO: ACCEPTANCE OF DEBIT CARDS
Trinidad Express (AXE)   08 May 2000 Online
Language: ENGLISH

... transactions are executed every month. Despite the high cost of the
debit point of sale (**POS**) electronic devices, US$ 4,000 each, the retail
industry will have to adapt to its **customer** 's **preferences** . The number
of **POS** , thus far, in the country is 6,000 and for 2002 the number is
expected...

04648465
MARKET MAKING INFORMATION
  UK - **EPOS** COULD BENEFIT MARKETING DEPARTMENTS
Retail Week (RWK)   15 November 1991 p16

  UK - **EPOS** COULD BENEFIT MARKETING DEPARTMENTS

...marketing departments of UK retailers have not yet realised the benefits
of data obtained through **EPoS** , according to Robin Welch and Peter White
of direct response marketing concern Colorgraphic Group. Marketers could
use information from storecard purchases to assess **customer** and product
 profiles , thus targetting direct marketing and sales promotions more
effectively. Purchase data can be added to...

... can also be obtained from barcodes and database software. Article
discusses further the advantages of **EPoS** technology for the marketer.

EPOS SERVICE TO BE MARKETED BY THORN EMI
  UK - **EPOS** SERVICE TO BE MARKETED BY THORN EMI

Thorn EMI Datasolve is marketing and **EPOS** service called Shoplink,
enabling retailers to **send** off till **receipts** at the end of the day to
branch and head offices, and is capable of converting data for acceptance
by between different **EPOS** hardware. The service competes directly with
Centrefile of NatWest and less so with services of...

6963239
   Title: **Esker announces Pulse for flexible electronic** delivery **of documents, messages, and files**

   Title: **Esker announces Pulse for flexible electronic** delivery **of documents, messages, and files**
   Abstract: Esker's new Pulse is a versatile solution for the intelligent multi-channel **delivery** of application-generated information. Pulse is a server-based solution that recognises application output, transforms it into widely used formats PDF, HTML, XML, image, text and **routes** it to recipients via secure Web server, e-mail, fax, wireless or distributed print according to the preferences of the recipient. By streamlining and automating the **delivery** of documents previously tied to costly and sub-optimal **delivery** methods, Pulse reduces the cost of customer communications while improving service levels through the **delivery** of essential documents such as **invoices** , **bills** , statements and trade confirmations based on **user preference** . As a result, Pulse adds value to the information it **delivers** while reducing business cycle times that are linked to the **delivery** of time-sensitive information.
   ...Identifiers: **delivery** of documents

6887789   INSPEC Abstract Number: C2001-05-7160-046
 Title: **Digital definition of BOM [bill of materials]**
  Author(s): Rudnicki, J.; Siuta, B.
  Author Affiliation: Inst. of Ind. Eng. & Manage., Tech. Univ. of Wroclaw,
Poland
  Conference Title: Information Systems Architecture and Technology ISAT
2000. Proceedings of the 22nd International Scientific School Managing
Growth of Organisation Information and Technical Issues   p.114-21
  Editor(s): Grzech, A.; Wilimowska, Z.
  Publisher: Wroclaw Univ. of Technol, Wroclaw, Poland
  Publication Date: 2000 Country of Publication: Poland   296 pp.
  ISBN: 83 7085 502 4   Material Identity Number: XX-2001-00529
  Conference Title: Information Systems Architecture and Technology ISAT
2000. Proceedings of the 22nd International Scientific School Managing
Growth of Organisation Information and Technical Issues
  Conference Date: 2000   Conference Location: Wroclaw, Poland
  Language: English
  Subfile: C
  Copyright 2001, IEE

 Title: **Digital definition of BOM [bill of materials]**
 ...Abstract: customer to directly define the structure of a product,
which is then reflected in the **bill** of materials (BOM) of the
manufacturer's ERP system database. The BOM, which is defined directly to
 customers ' specifications from any place in the world, is the basis for
the manufacture of the ordered...

... identify the needs, the BOM thus defined makes it possible to shorten
the chain of **delivery** and to eliminate or reduce errors that may occur
during the input, processing and transformation...
  ...Identifiers: **bill** of materials

It's all about apps
Young, Deborah;
Wireless Review v. 17 no14 (July 15 2000) p. 15
DOCUMENT TYPE: Feature Article ISSN: 1099-9248

...ABSTRACT: a range of web-based products from consumer to enterprise
applications. Davinci Technologies offered electronic **bill**
-presentment-and-payment products that enable **consumers** to set up
profiles to control the services they use. EDS, in partnership with
Hewlett-Packard, is providing Internet-messaging applications and with EMC
is intending to **deliver** data storage and management services. Russ
Shearer of Ericsson says the company will support applicati

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Set      Items    Description
S1     1065208    PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR S-
                  PECIFICAT?
S2       16225    S1(3N)(USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER?
                  OR CONSUMER?)
S3       15149    EPOS OR POINT(N)SALE? OR ECR OR (COMPUTERI? OR DIGITAL OR -
                  AUTOMATED OR ELECTRONIC)()CASH()REGISTER? OR POS
S4       50038    RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()REC-
                  ORD?
S5     3118359    ROUTE? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STOR-
                  ING OR SAVE? OR SAVING? OR KEEP? OR KEEPING?
S6       30335    (MULTIPL? OR DISTRIBUTED OR SEVERAL OR DIFFERENT OR VARIOUS
                  OR MANY OR VARIETY OR PLURALITY OR PLURAL)(3N)(DATABASE? OR -
                  DATABANK? OR DATA()(BASE? OR BANK?) OR FILE? OR LOCATION?)
S7           2    S2 AND S3 AND S4
S8         113    S2 AND S4 AND S5
S9          10    S3 AND S4 AND S5 AND S6
S10          3    S8 AND S6
S11         19    S1 AND S4 AND S6 AND S5
S12         30    S7 OR S9 OR S10 OR S11
S13         23    S12 AND IC=(G06F? OR H04L?)
S14         23    IDPAT (sorted in duplicate/non-duplicate order)
S15         23    IDPAT (primary/non-duplicate records only)
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)
        (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200479
        (c) 2004  Thomson Derwent
```

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014419991   **Image available**
WPI Acc No: 2002-240694/200229
XRPX Acc No: N02-185844
  Monthly bill **amount due minimizing method involves compiling database**
  storing **service plans and generating list of service bundles based on**
  customer   preferences
Patent Assignee: EXPENSEADVISOR INC (EXPE-N)
Inventor: BALASUBRAMANYAM R; CURRIE S; HATFIELD P; RENGANATHAN S; RIDDLE R
  A; SRINIVASAN L
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200191020	A1	20011129	WO 2001US17157	A	20010525	200229	B
AU 200174986	A	20011203	AU 200174986	A	20010525	200229	

Priority Applications (No Type Date): US 2000579003 A 20000525
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200191020	A1	E	100	G06F-017/60	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

| AU 200174986 | A | | | G06F-017/60 | Based on patent WO 200191020 |

Abstract (Basic): WO 200191020 A1
     NOVELTY - Usage information derived from customer's **bills** are
  gathered. **Customer   preference** data including geographical
  limitations, utility provider limitation and anticipated usage
  patterns, are received. A **database   storing   several** service plans
  is compiled. A list of service bundles optimizing total amount of due
  for all **bills** , is generated based on **customer   preferences** and is
  communicated to customer for evaluation.
     DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
  following:
     (a) Customer usages comparison method;
     (b) Potential cost calculation method;
     (c) Service plans ranking method;
     (d) Monthly **bill** amount due minimizing apparatus;
     (e) Customer usages comparing apparatus;
     (f) Potential cost calculating apparatus;
     (g) **Bill** information parsing method
     USE - For minimizing the total amount due for **bills** for services
  such as water, electricity, telephone, mobile phone, pager, beepers,
  mortgages, loans, online trading, groceries, credit cards etc.
     ADVANTAGE - Generates a list of optimal cost plans satisfying
  customer   preferences .
     DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of **bill**
  amount due minimizing process.
     pp; 100 DwgNo 1/15
Title Terms: MONTH; **BILL** ; AMOUNT; MINIMISE; METHOD; COMPILE; DATABASE;
   STORAGE; SERVICE; PLAN; GENERATE; LIST; SERVICE; BUNDLE; BASED; CUSTOMER
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

014285052   **Image available**
WPI Acc No: 2002-105753/200214
XRPX Acc No: N02-078684
   **Automatic form handling method for employment application through
   Internet, involves creating tables comprising storage elements
   corresponding to submission fields of form in application database**
Patent Assignee: LACK S (LACK-I); MIKHAILOV D (MIKH-I)
Inventor: LACK S; MIKHAILOV D
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010054046	A1	20011220	US 2000194732	P	20000405	200214	B
			US 2001826037	A	20010404		

Priority Applications (No Type Date): US 2000194732 P 20000405; US
   2001826037 A 20010404
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010054046	A1		22	G06F-015/00	Provisional application US 2000194732

Abstract (Basic): US 20010054046 A1
      NOVELTY - The form received from a publisher, is processed to
   identify data submission fields which are correlated with field types
   supported by an application **database** . **Multiple** tables comprising
   storage elements corresponding to the submission fields, are created in
   database. The form is published to receive user input, and input
   entries are **stored** in the corresponding storage elements.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
      (a) Computer storage medium **storing** form handling program;
      (b) Computer controlled apparatus for handling forms
      USE - For handling forms in HTML, XML, PDI or word processing
   format used for application services such as political polling survey,
   consumer preference survey, order forms for goods and services,
   warranty cards, employment applications, online data entry forms such
   as gathering electronic marketing data, **bill** presentation and payment
   systems, insurance claims submission, census taking, absentee ballot
   collection, online shopping, meeting scheduling, shareholder balloting
   etc., and also for voluntary submission systems such as e-commerce and
   marketing survey applications through intranet, Internet, LAN, WAN,
   etc.
      ADVANTAGE - Enables the visitors to access the forms and enter a
   form submission in a short time by maintaining the sufficient
   communication bandwidth. Enables the form publisher to easily and
   quickly design and deploy highly sophisticated forms.
      DESCRIPTION OF DRAWING(S) - The figure shows the functional block
   diagram of automatic form handling system.
      pp; 22 DwgNo 1/11
Title Terms: AUTOMATIC; FORM; HANDLE; METHOD; EMPLOY; APPLY; THROUGH; TABLE
   ; COMPRISE; STORAGE; ELEMENT; CORRESPOND; FIELD; FORM; APPLY; DATABASE
Derwent Class: T01
International Patent Class (Main): **G06F-015/00**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013832288   **Image available**
WPI Acc No: 2001-316500/200133
XRPX Acc No: N01-227489
**Transaction tracking method for electronic billing system by configuring
a database to** store **log of** receipts **of message indicative of
applicable user entity signing-on to system**
Patent Assignee: CHECKFREE CORP (CHEC-N)
Inventor: DREYER H D; GANESAN R; HARRIS M T; WOLFE K R
Number of Countries: 029 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
ZA 200001492	A	20001227	ZA 20001492	A	20000324	200133	B
EP 1136923	A1	20010926	EP 2000106122	A	20000321	200157	N
NZ 503498	A	20010831	NZ 503498	A	20000321	200157	N
AU 200022454	A	20010927	AU 200022454	A	20000322	200229	N
SG 102569	A1	20040326	SG 20001616	A	20000321	200428	N

Priority Applications (No Type Date): ZA 20001492 A 20000324; EP 2000106122
  A 20000321; NZ 503498 A 20000321; AU 200022454 A 20000322; SG 20001616 A
  20000321
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
ZA 200001492	A		53	H01L-000/00	
EP 1136923	A1	E		G06F-017/60	

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI

NZ 503498	A			G06F-017/60	
AU 200022454	A			G06F-017/60	
SG 102569	A1			G06F-017/60	

Abstract (Basic): ZA 200001492 A
       NOVELTY - The system has a user entity/interface (52); banking
    entity (54), the primary/sign-on point of contact for the subscriber, a
    billing entity (56) provides **bill** availability data to an aggregator
    database, and electronic payment and customer service EPCS entity (58)
    that ties **distributed database** entities together by functioning as
    an integration agent to maintain **bill profile** and warehouse data.
       DETAILED DESCRIPTION - The subscriber selects a view **bill'** icon,
    the banking entity messages the EPCS entity with an aggregation data
    request and the event is logged. The aggregation data of the **bill** is
    presented by the EPCS entity with issued security ticket. An
    INDEPENDENT CLAIM is also included for a system for centrally tracking
    electronic billing transactions.
       USE - For electronic billing system.
       ADVANTAGE - Only a single authentication procedure is required for
    a user entity to receive available data identifying information and
    linking information for different data at different site e.g. different
    bills at different sites.
       DESCRIPTION OF DRAWING(S) - The figure shows schematic diagram of
    electronic presentment and payment system.
       User Entity (52)
       Banking Entity (54)
       Billing Entity (56)
       Electronic Payment and Customer services Entity (58)
       pp; 53 DwgNo 4/20
Title Terms: TRANSACTION; TRACK; METHOD; ELECTRONIC; **BILL** ; SYSTEM;
  DATABASE; STORAGE; LOG; **RECEIPT** ; MESSAGE; INDICATE; APPLY; USER; ENTITY
  ; SIGN; SYSTEM
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60** ; H01L-000/00
International Patent Class (Additional): **G06F-017/30** ; **G06F-019/00** ;
  G06F-151-00
File Segment: EPI

010254131   **Image available**
WPI Acc No: 1995-155386/199520
Related WPI Acc No: 1993-117779
XRPX Acc No: N95-122344
  **ATM/ POS based electronic mail system suitable for wide range of users -
  has store and forward message switch to enable user message to be
  stored for remote retrieval and to enable user to receive messages at
  time determined by user**
Patent Assignee: ATM COMMUNICATIONS INT INC (ATMC-N)
Inventor: STEPHENS W; VAJK H; ZIMMERMAN F; VAK H
Number of Countries: 047 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9510081	A1	19950413	WO 94US11244	A	19941004	199520	B
AU 9479650	A	19950501	AU 9479650	A	19941004	199532	
US 5473143	A	19951205	US 91764449	A	19910923	199603	
			US 93131327	A	19931004		
MX 184909	B	19970606	MX 942344	A	19940330	199825	

Priority Applications (No Type Date): US 93131327 A 19931004; US 91764449 A
  19910923
Cited Patents: US 3956615; US 4315101; US 4321672; US 4673802; US 4902881;
  US 5265033
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9510081	A1	E	108	G06F-007/08	

    Designated States (National): AT AU BB BG BR BY CA CH CN CZ DE DK ES FI
    GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ
    VN
    Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
    PT SE

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 9479650	A			G06F-007/08	Based on patent WO 9510081
US 5473143	A		32	G06K-005/00	CIP of application US 91764449
					CIP of patent US 5265033
MX 184909	B			G06K-005/000	

Abstract (Basic): WO 9510081 A
        The mail system includes an Automated Teller Machine or Point of
    Sale (`ATM/ POS ') system that includes several terminals through which
    a user may request access to the electronic mail system and at which he
    may receive a message stored or generate a message for storage in the
    system. The ATM/ POS system also includes an ATM/ POS institution
    processor which is remote from the terminals and intercommunicates with
    the terminals through an ATM/ POS data communication network that is
    also included in the ATM/ POS system.
        The mail system further includes a store and forward messages
    switch which is remote from the terminals for storing the message and
    for transmitting the stored message to one of the terminals upon
    receiving authorization to do so.
        USE/ADVANTAGE - Generating and transmitting message information for
    e.g payment of bills , completion of user financial transactions and
    information transmission from variety of databases , at times
    determined by user. Allows electronic mail to be readily available to
    the public via highly reliable and secure system with private or public
    access.
        Dwg.1/10
Title Terms: ATM; POS ; BASED; ELECTRONIC; MAIL; SYSTEM; SUIT; WIDE; RANGE
  ; USER; STORAGE; FORWARD; MESSAGE; SWITCH; ENABLE; USER; MESSAGE; STORAGE
  ; REMOTE; RETRIEVAL; ENABLE; USER; RECEIVE; MESSAGE; TIME; DETERMINE;
  USER
Derwent Class: T01; T05; W01
International Patent Class (Main): **G06F-007/08** ; G06K-005/00; G06K-005/000
File Segment: EPI

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Set      Items    Description
S1        4575    PROFILE? OR PREFERENC? OR CHARACTERISTIC? OR HISTORY? OR S-
                  PECIFICAT?
S2         714    S1(3N)(USER? OR MEMBER? OR CUSTOMER? OR SHOPPER? OR BUYER?
                  OR CONSUMER?)
S3         128    EPOS OR POINT(N)SALE? OR ECR OR (COMPUTERI? OR DIGITAL OR -
                  AUTOMATED OR ELECTRONIC)()CASH()REGISTER? OR POS
S4        1789    RECEIPT? OR ERECEIPT? OR INVOICE? OR BILL? ? OR SALES()REC-
                  ORD?
S5       18423    ROUTE? OR SEND? OR DELIVER? OR TRANSFER? OR STORE? OR STOR-
                  ING OR SAVE? OR SAVING? OR KEEP? OR KEEPING?
S6        1732    (MULTIPL? OR DISTRIBUTED OR SEVERAL OR DIFFERENT OR VARIOUS
                  OR MANY OR VARIETY OR PLURALITY OR PLURAL)(3N)(DATABASE? OR -
                  DATABANK? OR DATA()(BASE? OR BANK?) OR FILE? OR LOCATION?)
S7           2    S2 AND S3 AND S4
S8           9    S2 AND S4 AND S5
S9           1    S3 AND S4 AND S5 AND S6
S10          0    S8 AND S6
S11          1    S1 AND S4 AND S6 AND S5
S12          4    S7 OR S9 OR S10 OR S11
S13         13    S12 OR S8
S14         13    S13 NOT PY>2001
S15         13    S14 NOT PD>20010809
File 256:TecInfoSource 82-2004/Nov
         (c) 2004 Info.Sources Inc
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01199915   DOCUMENT TYPE: Product

PRODUCT NAME: eMessaging eXpress (199915)

Bowe Bell & Howell Co (546241)
6800 N McCormick Rd
Chicago, IL 60645 United States
TELEPHONE: (847) 675-7600

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20040530

...:s eMessaging eXpress (SM) is an electronic messaging outsourcing
service. It allows organizations to distribute **bills** and statements over
the Internet. Presentment is handled at business-branded Web sites. E-mail
...

...products, services, or targeted marketing messages. Employing a NACHA-
compliant file format, the service can **send** transaction information
directly to banks. eMessaging eXpress includes credit card processing
features. It supports the remote access of account **profiles**, streamlining
customer enrollment. Service personnel can assist customers in making
payments or editing account passwords and e...

01117528   DOCUMENT TYPE: Product

PRODUCT NAME: **Red Peak Multi-Point Commerce Suite (117528)**

HighPoint Systems Inc (728659)
10 Maguire Rd #322
Lexington, MA 02421 United States
TELEPHONE: (781) 274-8100

RECORD TYPE: Directory

CONTACT: Sales Department

REVISION DATE: 20021130

...allows customers to initiate transactions from a wide range of devices.
It also collects purchase **history** , **customer preference** , promotional
and other data. Information can be employed in targeting loyalty and
marketing campaigns. Red...

...service, and checkout features. The system encompasses shopping cart,
catalog, discount, registration, order history, and **invoice** review
options. Administrators can configure user accounts. Red Peak Multi-Point
Commerce Suite also includes payment authorization, **delivery**
registration, and private-label promotion features.

DESCRIPTORS: ASP (Application Service Providers); Catalogs; E-Commerce;
    Mobile Computing; Order Fulfillment; Pricing; Retailers; **Store**
    Building